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INVESTIGATION OF AMYLASE AND SUCRASE
ACTIVITY OF MYCELIAL WASTES FROM THE PRO-
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[1963] [10p] 4refs
FASEB Manuscript no.: S 229-3.
Order from OTS, SLA, or ETC \$1.10 TT-63-24486

Trans. of Mikrobiologichnyi Zhurnal (USSR) 1962,
v. 24, no. 6, p. 32-36. (Abstract available)

DESCRIPTORS: *Glycoside hydrolases, Enzymes,
*Wastes (Industrial), *Penicillins, *Streptomycins

The mycelial waste from penicillin and streptomycin
production were analyzed to determine the amylase and
sucrase content. After preparing the enzymatic extract,
the amylase content was determined by the maltose
content in a mixture of the enzymatic extract and starch
solution. An aqueous extract of the mycelia was used in
(Biological Sciences--Biochemistry, TT, v. 11, no. 6)
(over)

TT-63-24486

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- IV. Federation of American
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73845

Office of Technical Services

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ANTIBACTERIAL ACTIVITY OF ARENARIN IN RELATION TO THE TIME IMMORTELLE IS GATHERED AND OTHER CONDITIONS. [1963] [13p] 5 refs FASEB manuscript no. S 363-2.

Order from OTS, SLA, or ETC \$1.60 TT-63-24511

Trans. of Mikrobiologichnyi Zhurnal (USSR) 1962, v. 24, no. 2, p. 48-54. (Abstract available)

DESCRIPTORS: *Antibiotics, Plants (Botany), *Biological assay, Drugs, Staphylococcus.

Arenarin prepared from Immortelle Helichrysum arenarium obtained from different, not necessarily remote, areas at the same stage of its growth is different in antibacterial activity. Arenarin is most active when obtained from Immortelle found in sunny areas. The most active Arenarin is obtained from (Biological Sciences--Pharmacology, TT, v. 11, no. 4) (over)

TT-63-24511

1. Title: Arenarin
2. Title: Helichrysis
3. Title: Immortelle
- I. Rashba, O. Ya.
- II. Mostovova, G. O.
- III. FASEB-S-363-2
- IV. Federation of American Societies for Experimental Biology, Washington, D. C.
- V. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

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TT-63-24511

flower heads of immortelle gathered during the stage of full bloom; Arenarin obtained from deflorate plants has little activity. The acids, phenols and resins contained in Arenarin have the strongest antibacterial effect on Cor. michiganense 555. The essential oil plays a significant role in the activity of the preparation, although it is less active than the above fractions, its activity is constant, and it makes up a large part of the substance Arenarin. The pigment fraction has rather low antibacterial activity. Ether and alcoholic preparations of Arenarin are not identical in composition.
(Author)

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